BENGALURU SOLID WASTE MANAGEMENT LIMITED

TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

Name of Work - Renovation and up-gradation of existing DWCC's

BENGALURU SOLID WASTE MANAGEMENT LIMITED

Office of the Deputy General Manager-1 (BSWML), 1st Floor, UNI Building, Thimmaiah Road, Vasanth Nagar, Bengaluru–560 052.

Phone No: 9844587466

TENDERS FOR THE WORK OF

Sl. No.	Name of the work	Appx. Amount put to bid (Rs. In Lakhs) (Excluding GST)
01.	Renovation And Up gradation Of Existing DWCC'S	319.61

TENDER REFERENCE	No. DGM-1/BSWML/TEND/05/2024-25 Date:30.09.2024
LAST DATE FOR SALE OF TENDER DOCUMENT	up to 15.10.2024 on or before 4.00 PM
PRE-BID MEETING WILL BE HELD ON	05.10.2024 at 3.00 PM
LAST DATE AND TIME FOR RECEIPT OF TENDERS	15.10.2024 on or before 4.00 PM
TIME AND DATE OF OPENING OF COVER ONE OF TENDERS	16.10.2024 at 4.30 PM
PLACE OF PRE-BID MEETING WILL BE HELD	Office of the Chief Engineer & Chief General Manager (Tech),BSWML, 1st Floor, UNI Building, Thimmaiah Road, Bengaluru-560052.
TIME AND DATE OF OPENING OF COVER TWO OF TENDERS	Will be intimated to the Qualified Tenderers
PLACE OF OPENING OF COVER TWO OF TENDERS AND ADDRESS FOR COMMUNICATION:	Office of the Chief Engineer & Chief General Manager (Tech), BSWML, 1st Floor,UNI Building, Thimmaiah Road, Bengaluru-560052.
	Off: Phone Mob: +91 9844587466

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BENGALURU SOLID WASTE MANAGEMENT LIMITED

Office of the Deputy General Manager-1,BSWML, 1st Floor, UNI Building, Thimmaiah Road, Vasanth Nagar, Bengaluru – 560 052

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No:DGM-1/BSWML/TEND/05/2024-25 Date:30.09.2024

INVITATION FOR BIDS (IFT)

Short Term Bid Notification
(Only through GOK KPP Portal Only)

1. The Grants have been provided under BBMP Grants for the works mentioned in the table below and accordingly action plan for the same has been approved by the Board.

2. In this regard, The Deputy General Manager, Bengaluru Solid Waste Management Limited on behalf of the Managing Director, BSWML, Bengaluru invites bids from eligible bidders for the works detailed in the table below. The Bidders may submit bids for works given in the table through KPP portal of the Government of Karnataka (viz. https://KPPP.karnataka.gov.in) The Bidders are advised to note the minimum qualification criteria specified in Clause-3 as per KW-4 of the instructions to bidders to qualify for award of the contract.

3. Bid documents may be downloaded from the KPP portal of the Government of Karnataka.

4. Other details can be seen in the tender documents.

Sl No.	Name of the work	Approx. Amount put to Bid (Rs. in lakhs) Excluding GST	EMD (Amount in Rs.)	Cost of Bid Document	Stipulated completion period (including monsoon period)
1	Renovation and up-gradation of existing DWCC's	319.61	Rs.1,00,000/- through e-payment under one of the following i.e., online / RTGS / NEFT / OTC and the balance Rs.2,20,000/- by Bank Guarantee/FDR issued by Nationalized/ Scheduled Bank	As per KPP portal	3 Months
2.	LED Projector screen in the parks (Lalbagh /Cubbon park/selected parks/lakes) among the wards (Call-2)	517.17	Rs.1,00,000/- through e-payment under one of the following i.e., online / RTGS / NEFT / OTC and the balance Rs.4,18,000/- by Bank Guarantee/FDR issued by Nationalized/ Scheduled Bank	As per KPP portal	12 Months

1. Pre bid meeting will be held on 05.10.2024 at 15:00 hours in office of the Deputy General Manager -1, BSWML, UNI Building, Thimmaiah Road,Vasanth Nagar, Bengaluru - 560052.

2. Technical Documents along with necessary information/documents must be uploaded to the KPP portal https://KPPP.karnataka.gov.in as per tender document on or before 16:00 hours of 15.10.2024. The Technical bid will be opened through kpp-portal only on 16.10.2024 after 16:30 hours at the stipulated venue through kpp-portal in the presence of the bidders or their authorized representatives who wish to attend the opening process. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.

3. The Employer shall not be liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the bidders of any tender updates, the Employer shall not be liable for any information not received by the bidders. It is the bidder's responsibility to verify the KPP portal for the latest information related to the bids, E-mail address of the Helpdesk is hphelpdesk.blr@intarvo.com. KPP portal help desk telephone numbers are: 080-22371090/22373788. The bidders is required to ensure browser capability of the computer well in advance to the last date and time for receipt of the bids. The employer shall not be responsible for non-accessibility of KPP portal due to internet connectivity issues and technical glitches.
4. Any corrigendum/addendum will be published in the KPP portal only.

Sd/-
Deputy General Manager -1
BSWML

Copy Submitted to the:

1. Hon'ble Chairman, BSWML & ACS, UDD for kind information.
2. Hon'ble Managing Director BSWML/Chief Commissioner, BBMP for kind Information.
3. Chief Executive Officer (BSWML)/Special Commissioner, BBMP for kind Information.
4. Chief Operational Officer (BSWML), for kind information.
5. Chief Financial officer (BSWML)/CAO, BBMP for kind information.
6. Chief Engineer & Chief General Manager (Tech), BSWML, for kind information.
7. Company Secretary, BSWML for kind necessary action.
8. Office Copy.

Sd/-
Deputy General Manager -1
BSWML

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

The Deputy General Manager-1, BSWML, on behalf of the Managing Director, BSWML (Referred to as Employer in these documents) invites ITEM RATE tenders following Two Cover tender procedure, from eligible Tenderers, for the works of **"Renovation and up-gradation of existing DWCC's**" (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka/BBMP. A Bidder shall be any individual, Firm, Agency registered BBMP, BDA, NH, PWD, CPWD or other central/state agencies with qualification as set forth in clause 3 below.

Tenders from Joint ventures are not acceptable.

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2

(a) To qualify for award of this contract, each Tenderer in its name should have in the last five financial years (i.e. 2019-20 to 2023-24)

(b) Achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of Rs. 640.00 lakhs

(c) Satisfactorily completed (at least 50% of the contract value) as prime contractor, at least one work value not less than Rs. 160.00 Lakhs

Executed in any one year, the following minimum quantities of work

SL. No.	Item	Unit	Qty
1	Plastering	Cum	2480.00
2	Excavation	Cum	1970.00
3	Cement Concrete	Cum	770.00
4	Block Work	Rmt	837
5	TMT Steel Reinforcement	Tons	96
6	Bio product solution Spraying on the garbage to avoid smell and flies	Ltrs	75000.00

Note: The work done certificate is to be issued by the competent Authority not less than Cadre of Executive Engineer (Also upload the Contract Bill i.e. paid voucher)

(D) (DELETED)

(E) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs…… in any one year;[3] **(DELETED)**

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning critical equipment original (RC book/card) are scanned and uploaded. and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are scanned and uploaded .

[3] Specify the principal items of works to be executed under this contract

Item of Equipment	No's
Excavators (JCB/Hitachi)	2
Water tanker	2
Concrete Mixer	2
Soil Compactor	1
Needle Vibratory	2

[4]Updated to the FY 23-24 in which the tenders are invited. Financial turnover of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

[5]Specify the works which will be accepted as similar works

[6] Updated to the FY in which the tenders are invited. The value of the completed works shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

(b) Liquid assets and /or availability of credit facilities of not less than **Rs.120.00** Lakhs (Credit lines/ letter of credit/ certificates from Nationalized/ Commercial Scheduled banks for meeting the fund requirement etc. *(usually the equivalent of the estimated cash flow for three months in the peak construction period)**

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to 2023-24 price level)* taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the works for which tenders are invited.
B = Value, at 2023-24 price level, of existing commitments and on-going works to be completed during the next.....years *(period of completion of the works for which Tenders are invited)*(Please enclose the list of works duly signed)*

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.* ***Bill copies should be uploaded****.*

3.8 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- Participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer

Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

5. Cost of Tendering:

The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

The set of tender documents shall have all the Sections given in Page **3**
Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

Pre-tender meeting:

The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at Office of the Office of the Chief Engineer & Chief General Manager (Tech), BSWML, 1st Floor, UNI Building, Thimmaiah Road, Bengaluru-560052 **on 05.10.2024 at 3.00 PM.**
The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than **05.10.2024 at 4.00PM.**
Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shallbe made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.
Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

9. Amendment of Tender documents

Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.
Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.
To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below

C. Preparation of Tenders

10. Documents comprising the Tender

The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

First Cover:

(a) Earnest Money Deposit;
(b) Qualification Information as per formats given in Section 3;

Second Cover:

(a) The Tender (in the format indicated in Section 4)
(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.
Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

11. Tender prices

The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.
The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.
The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

12. Tender validity

Tenders shall remain valid for a period not less than **One Hundred and Eighty days (180)** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

The Tenderer shall furnish, as part of his tender, Earnest Money Deposit (EMD) in the amount as mentioned in IFT for this particular Work. Further, out of the total EMD Amount only Rs. 1.00 Lakh (Rupees One Lakh only) shall be paid in the KPP Portal using any of the following modes and the Balance Amount shall be in the form of Bank Guarantee from any Bank.

- Credit Card.
- Direct Debit.
- National Electronic Fund Transfer (NEFT).
- Over the Counter (OTC).

NEFT Payment Procedure:

If a Tenderer chooses to make Payment of EMD / Tender Processing FEE using Reserve Bank of India's (RBI) National Electronic Fund Transfer (NEFT) System, the Tenderer will need to log into kppp System, access the Tender for which Bid is being created and then select the NEFT Option under the Payment Section and print the Challan shown in that Section. The Printed Challan will have the Unique Bid Reference Number, Account Details of Government of Karnataka and the Amount to be remitted. The Tenderer shall submit the Printed Challan to its Bank Branch (NEFT enabled) and request foran Account – to – Account Transfer, wherein the money will get transferred from the Tenderer's Bank Account to GOK"s Bank Account. The Tenderer shall ensure that NEFT Transfer Instructions are executed and the Funds are wired to the Government of Karnataka's Principal Account before the Last Date for Bid Submission and preferably 24 hours before the Last Date for Bid Submission. If the Tenderer's Bank transfers / wires the money after the Last Date for Bid Submission, the Tenderer's Bid will be liable for rejection. Upon executing the Transfer, the Tenderer's Bank will provide a Reference Number generated by NEFT Software as Confirmation of Transfer, which has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission. The Account Number from which the Funds were transferred shall be input in the KPPP System as part of its Bid also.

OTC Payment Procedure:

If a Tenderer chooses to make Payment of EMD / Tender Processing FEEs Over The Counter (OTC) in any of the designated Axis Bank Branches listed in the KPPP Website (www.kppp.karnataka.gov.in), the Tenderer will need to log into KPPP System, access the Tender for which Bid is being created and then select the OTC Option under the Payment Section and print the Challan shown in that Section. The Printed Challan will have the Unique Bid Reference Number andthe Amount to be remitted along with the Challan. The Tenderer can choose to make the Payment either in the form of Cash or in the form of Demand Draft. Cheque Payments will not be accepted. The Tenderer is requested to specifically inform the Bank Officer to input the Unique Bid Reference Number printed in the Challan in the Banking Software. Upon successful Receipt of the Payment, the Bank will provide a 16 Digit Reference Number acknowledging the Receipt of Payment. This 16 Digit Reference Number has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission.

The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates
a) upto Rs.20 Lakhs - 2.5%
b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-
c) Rs.1 crore and above upto Rs.10 crores – 1% subject to a minimum of Rs. 2,00,000/-
d) Rs.10 crores and above – 1% subject to a minimum of Rs.15, 00,000/-.

e) Fixed Deposit Receipt (FDR) subject to the following condition

- Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2009 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/ Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.

As per Circular: PWD:15:ITC:2008/2009 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on or before the Opening of Technical Bid, if failed to submit, the bid will be rejected and the initial amount deposited through KPPP will be forfeited and further their names will be proposed for Black Listing if resorted repeatedly.

Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 90 days **beyond** the validity of the tender.

Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;
(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or
(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to
(i) sign the Agreement; or
(ii) Furnish the required Security deposit

14. Format and signing of Tender

Tenderer shall submit the Bid electronically before the submission date and time published in kpp portal.

D. Submission of Tenders

15. Sealing and marking of tenders

Tenderer shall submit the Tender document electronically before the submission date and time published. The document for submission shall be uploaded in PDF format and submitted in the order mentioned below.

1. Content sheet with name of folder / file, No of pages in each folder / file and size of the folder/file.

FIRST COVER /FOLDER (TECHNICAL PART)

2. As per Section 3 - Qualification information
a. Qualification information summary sheets
b. Affidavit as per the format attached in qualification information.
c. Brief description of tenderer with the details of contact person for communication with BSWML
d. Attested copy of Registration certificate of the contractor
e. EMD as specified in the Table of I TT in the document.
f. Power of attorney for signing the tender as per the format attached in qualification information.
g. Work performed & quantity executed as per Table with supporting certificates from client for the claims mentioned in tables of qualification information.
h. Tables Qualification information with supporting certificate from client &calculation sheet for available tender capacity.
i. Availability of machinery as per Table of qualification information.
j. Experience & qualification of key persons as per Table of qualification information.
k. Financial statement for past five F.Y, contains balance sheet, profit& loss, statement on cash on hand, liquid assets etc from Charted Accountant.
l. Line of credit and details of tenderers bank with reference as per format attached in qualification information.
n. Litigation history as per Table. Of qualification information.
o. Method adopted for construction program, bar chart, quality assurance program as per clause 1.13 of qualification information
p. Undertaking for the tender is valid for 180 days as per clause 1.14 of qualification information.

SECOND COVER/FOLDER (FINANCIAL PART)

a. Form of tender as per section 4 (I) of tender document.
b. Priced Bill of Quantity.
c. Any other materials required to be completed and submitted by Tenderers in accordance with ITT.

Deleted
Deleted

16. Deadline for submission of the Tenders

Tenders must be received by the Employer at the address specified above no later than **4.00PM hours on 15.10.2024** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.
The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

Any Tender received by the Employer after the deadline prescribed in Clause 16 will be returned unopened to the Tenderer.

18. Modification and Withdrawal of Tenders

Tenderers may modify contents of First or Second Covers separately for each Cover or withdraw their Tenders by giving notice in writing before the deadline prescribed in Clause 16.
Each Tenderer's modification separately for each Cover or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 14 & 15, with the outer and inner envelopes additionally marked "**MODIFICATION FOR FIRST/SECOND COVER**" or "**WITHDRAWAL**", as appropriate.
No Tender may be modified after the deadline for submission of Tenders.
Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

18.1 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:

The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), including modifications for First Cover made pursuant to Clause 18, in the presence of the Tenderers or their representatives who choose to attend at 15.10.2024 at 4.30 PM on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

Deleted
The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening.
The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with Sub-Clause 19.3.
Deleted
The Employer will evaluate and determine whether each tender
(a) meets the eligibility criteria defined in ITT Clause 2;
(b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and
(c) Meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[2]

20. Opening of Second Cover of qualified Tenderers and evaluation:

The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the

appointed time and date(as indicated in the kppp portal) in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.
Deleted
Deleted
The Employer shall prepare minutes of the Second Cover Tender opening.

21. Process to be confidential

Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.
Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.
Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers" Tender.

23. Examination of Tenders and determination of responsiveness

Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender;
(a) has been properly signed; and;
(b) Is substantially responsive to the requirements of the Tender documents.
A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one
(a) which affects in any substantial way the scope, quality, or performance of the Works;
(b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or
(c) Whose rectification would affect unfairly the competitive position of other Tenderers presenting substantiallyresponsive Tenders.
If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

The Tenderer may modify the tender only before the last date for submission of the tender, as indicated on the kppp portal.

25. Evaluation and comparison of Tenders

The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.
Deleted (Since Bids submitted online only)
The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

F. Award of Contract

26. Award criteria

Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be

(a) Eligible in accordance with the provisions of Clause 2, and
(b) Qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

Not with standing Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds forthe Employer's action.

28. Notification of award and signing of Agreement

The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works.*:*

- Cash or
- Banker's cheque/Demand draft/Pay Order in favor of Managing Director, BSWML payable at Bangalore or
- A bank guarantee in the form given in Section 10; or
- Specified Small Savings Instruments pledged to Managing Director, BSWML payable at Bangalore

If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the successful Tenderer/ contractor.
Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security:

The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31. Corrupt or Fraudulent practices

The BSWML requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BSWML :

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BSWML contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BSWML contract.

Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

Constitution or legal status of Tenderer [Attach copy]

Place of Registration _____ (Attach Copy)

Principal place of business: _____

Total value of civil engineering construction works executed and payments received in the last five years

2019 - 20 ……
2020 - 21 ……
2021 - 22……
2022 - 23……
2023 - 24…….

(in Rs. Lakhs) Attach Certificate from Chartered Accountant

Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Descrip-tion of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work performed (cum)[3]			Remarks (Indicate contract reference)
			Cement Concrete	Masonry	Earthworks	
2019-20						
2020-21						
2021-22						
2022-23						
2023-24						

Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name And Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers –in-Charge	Anticipated date of completion
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	**Requirement**		
As mentioned above			

Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;
Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

Position	Names	Qualification	Year of Experience (General)	Nos required
Project Co - ordinator		B.E in Civil Engineering	5 Yrs – in Construction Projects	1
Quantity Surveyor & QA QC		B.E in Civil Engineering	10 Yrs – in Civil Engg – Construction projects	2
Site Engineer		Diploma in Civil Engineering	5 Yrs – Diploma in Construction Projects	3

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer. Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

ON BANKS LETTER HEAD

……..

FORMAT OF BANKER'S CERTIFICATE/ LINE OF CREDIT LETTER

(TO BE ISSUED IN THE LETTER HEAD OF THE BANK BRANCH)

Reference Number (Sl. No.)
Place:
Date :

To:
(Name of Address of the Beneficiary)

This is to certified that, Mr./ Mrs. …… (Name of the Customer) having his/ their registered/ Administrative office at ……. Is a customer of our bank and is/ are engaged in …….. (Name of activity). If the said customer is allotted/ awarded with ……. (Brief details of works), we may extend the credit facilities up to Rs. ……. Lakhs to meet his/ their working capital requirement towards the execution of the said work order as per the loan policy of the Bank.
This certificate is valid up to 3 months from the date of issue, i.e. up to dd/mm/yyyy.

Yours faithfully,

Branch Manager.

Proposals for subcontracting components of works amounting to more than 20% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

"Renovation and Up-gradation of Existing DWCC's"

To,

Deputy General Manager -1,
Office of the BSWML, 1st Floor,
UNI Building, Thimmaiah Road,
Vasanth Nagar, Bangalore-52.

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of …….. *[in figures]* *(* .....) *[in letters]*.[4]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any tender you receive.

The advance payment required is Rs…….

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

Hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tenderdocuments.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:
Name & Title of Signatory: _____

Name of Tenderer _____
Address: .....

[4] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Letter of Acceptance

(Letterhead paper of the Employer)

…….[date]

To:

……

……[name and address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated for execution of the "Renovation and Up-gradation of Existing DWCC's" for the Contract Price of Rupees

……..……..

…… (……) [Amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs.....within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

Issue of Notice to proceed with the work

(Letterhead of the Employer)

…….(date)

To

……

……

…… (Name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of **"**Renovation and Up-gradation of Existing DWCC's**"** A Tender Price of Rs , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory

Authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the …….day of ……20..... , between……
…….[name and address of Employer]
(hereinafter called "the Employer") of the one part and …….
……...[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute ……...
……
……[name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees'.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor's Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of ……
……
was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said
……
……

in the presence of:
Binding Signature of Employer

……
Binding Signature of Contractor

…….

SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.
Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.
Compensation events are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date which is 12 months for this project.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Maintenance Period is the period named in the Contract Data, during which Contractor shall maintain the works completed by him for a period of 12 months effective from last day of Defect Liability Period
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.
Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.
The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor‟s Tender
(4) Contract Data

(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

Deleted.

8. Other Contractors

The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.
If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

The Employer is responsible for the excepted risks which are:
(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or
(b) a cause due solely to the design of the Works, other than the Contractor's design; or
(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:
    (i) could not have reasonably foreseen; or
    (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or
(B) insure against such loss or damage

12. Contractor's risks

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;
(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and
(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

Alterations to the terms of an insurance shall not be made without the approval of the Employer.

Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

The Contractor shall be responsible for the design of Temporary Works

The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.
All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

19. Safety

The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20..1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. Possession of the Site

The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.
If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.
The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.
The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.
The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.
The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. Tests

If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer's notice.

32. Uncorrected defects

If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

33. Bill of Quantities (BOQ)

The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.
The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. Variations

The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.
The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BSWML has to be obtained for the variation exceeding 5%.

35. Payments for Variations

Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.
For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.
If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract
If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.
If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.
If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.
The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.
The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programmer payment is subject to availability of the grants.
Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.
The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

39. Tax

The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

40. Price Adjustment:
(As per the G.O. No.FD 3 PCL 2008, Bangalore, Dated: 21.11.2008)
If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bids and the date of execution as per the approved programmer of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

41. Liquidated damages

The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.
If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments: Refer Section 6: Contract Data

43. Securities:

The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30days from the date of issue of the certificate of completion.

44. Cost of Repairs:

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

If "as built" (Completion *drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.
If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.
Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program andthe stoppage has not been authorized by the Employer;
(b) Deleted.
(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
(d) Deleted.
(e) The Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contractand the Contractor fails to correct it within a reasonable period of time determined by the Employer;
(f) The Contractor does not maintain a security which is required;
(g) The Contractor has delayed the completion of works by the number of days for which the maximumnumber of liquidated damages can be paid as defined in the Contract data; and
(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.
Notwithstanding the above, the Employer may terminate the Contract for convenience.
If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.
If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor’s default.

52. Release from performance

If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour :

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on

account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Arbitration (Clause 24)

The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)
(b) Arbitration proceedings shall be held at……, Karnataka state (to be filled in by the Employer before issue of the Tender Documents),
(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.
(d) Performance under the contract shall continue during the arbitration proceedings and payments due the Contractor by the Employer shall not be withheld, unless they are the subject matter of the arbitration proceedings.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor shall provide one four-wheeler along with driver, fuel expenses to Project Engineers in-charge of work to facilitate and co-ordinate the supervision of the work.

7. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

[Add other Clauses specific to the work for which tenders are invited.]

Annexure:

LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[5]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works
8. SWM Rules-2016, BBMP Bye-Laws per SWM

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract:	**Clause Reference**
• The Schedule of Operations Manuals	[48]
• The Methodology and Program of Construction	[25]
• Site Investigation Reports	[14]
• The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction.	[25]

The Employer is:

Name: **The Managing Director** [1.1]
BSWML, Bangalore

Name of authorized Representative:
Office of the Deputy General Manager-1,
BSWML, 1st Floor, UNI Building,
Thimmaiah road, Bengaluru-560052

The name and identification number of the Contract is **DGM-1/BSWML/TEND/05/2024-25, Date:30.09.2024** [1.1]

"Renovation and Up-gradation of Existing DWCC's"

The Works consist of Renovation and Up-gradation of Existing DWCC's works for creating infrastructure.
The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole
of the Works is **3 months** with the following milestones [17, 26]

The Defects Liability Period is ONE years after submitting COMPLETION REPORT.

The Site Possession Date is: Date of work order [21]

The Sites are located at **various locations in BBMP Limits** [1.1]
and is defined in drawings nos. _____

"Renovation and Up-gradation of Existing DWCC's"

Insurance requirements are as under:

	Type of Cover	Minimum cover for Insurance[6]
(i)	Works and of Plant and materials	The sum stated in the Agreement (contract Value) plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) for Third Party[7]	5.00 Lakhs each person
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka Rs. 5.00Lakhs each person

Price Adjustment Formula**; (DELETED)** [40]

The liquidated damages for the whole of the works are 0.1% per day of the contract amount..

The maximum amount of liquidated damages for the whole of the works [41]
is Ten percent of final contract price.

The amounts of the advance payment are [42]

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
1. Mobilization	5% of the Contract price	On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

The date by which "as-built"[10] drawings (in scale …[11]) in 2 sets are required is within

_____

To be filled up by the Employer before issue of the tender document; say Three or four months"

30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[12]The date by which Fire Protection Project work are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

(The amount should be sufficient to get the completion drawings or operating and Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1]

Additional cost for completing the Works shall be 30 percent (30%).
(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

1

SECTION 8: DRAWINGS

As per approved Drawings

BILL OF QUANTITIES

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
1	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & up to depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift up to 1.5 m including cost of labor, tools, usage of machinery & other appurtenances required to complete the work. In Ordinary/Soft rock up to 300 mm depth. Completed as per Engineer In charge	**m^3**	**180.00**	**398.20**	**Rupees Three Hundred Ninety Eight And Paisa Twenty Only**
2	Earth work excavation for Foundation by mechanical means for all works & depth up to 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work In ordinary/soft rock without blasting upto 1.5 m depth. Completed as per Engineer In charge	**m^3**	**1513.21**	**112.20**	**Rupees One Hundred Twelve And Paisa Twenty Only**
3	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or leveling the excavated	**m^3**	**648.52**	**399.30**	**Rupees Three Hundred Ninety Nine And Paisa Thirty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work Depth exceeding 1.5 m, but not exceeding 3 m. Completed as per Engineer In charge				
4	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits with Chlorpyriphos 20% E.C. / Lindane 20% E.C. @ 3.19 ltr/m2 including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per specifications. Completed as per Engineer Incharge	**m2**	**1309.54**	**129.80**	**Rupees One Hundred Twenty Nine And Paisa Eighty Only**
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. Completed as per Engineer Incharge	**m^3**	**1593.73**	**292.60**	**Rupees Two Hundred Ninety Two And Paisa Sixty Only**
6	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications,	**m^3**	**200.77**	**521.40**	**Rupees Five Hundred Twenty One And Paisa Forty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	including cost of labour, rolling, water, all materials, usage & all other appurtenances required to complete the work				
7	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications. Specification. Completed as per Engineer Incharge	**m^3**	**152.00**	**2817.10**	**Rupees Two Thousand Eight Hundred Seventeen And Paisa Ten Only**
8	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) Completed as per Engineer Incharge	**m^3**	**38.25**	**7027.90**	**Rupees Seven Thousand Twenty Seven And Paisa Ninety Only**
9	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge	**m2**	**33.84**	**280.50**	**Rupees Two Hundred Eighty And Paisa Fifty Only**
10	Providing and laying in position plain cement concrete for Leveling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm and down size graded	**m^3**	**155.09**	**6838.70**	**Rupees Six Thousand Eight Hundred Thirty Eight And Paisa Seventy Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	crushed coarse aggregates. Completed as per Engineer Incharge				
11	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates. Completed as per Engineer Incharge	**m^3**	**326.36**	**7318.08**	**Rupees Seven Thousand Three Hundred Eighteen And Paisa Eight Only**
12	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, and Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20	**m^3**	**21.60**	**7527.17**	**Rupees Seven Thousand Five Hundred Twenty Seven And Paisa Seventeen Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	mm and down size graded crushed coarse aggregates. Completed as per Engineer Incharge				
13	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates **Completed as per Engineer Incharge Ground floor.**	**m^3**	**10.49**	**12796.41**	**Rupees Twelve Thousand Seven Hundred Ninety Six And Paisa Forty One Only**
14	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to	**m^3**	**10.49**	**12871.68**	**Rupees Twelve Thousand Eight Hundred Seventy One And Paisa Sixty Eight Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates**.** Completed as per Engineer Incharge **Mezzanine floor**				
15	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates **First floor.** Completed as per Engineer Incharge	**m^3**	**5.41**	**12946.96**	**Rupees Twelve Thousand Nine Hundred Forty Six And Paisa Ninety Six Only**
16	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead &	**m^3**	**19.82**	**11290.95**	**Rupees Eleven Thousand Two Hundred Ninety And Paisa Ninety Five Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregatesCSR-2021-22) Completed as per Engineer Incharge **Ground floor Plinth beam.**				
17	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates**.** Completed as per Engineer Incharge **Ground floor Roof beam**	**m^3**	**11.32**	**12043.68**	**Rupees Twelve Thousand Forty Three And Paisa Sixty Eight Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
18	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregatesCSR-2021-22)**.** Completed as per Engineer Incharge **Ground floor Slab**	**m^3**	**27.47**	**11290.95**	**Rupees Eleven Thousand Two Hundred Ninety And Paisa Ninety Five Only**
19	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel	**m^3**	**17.12**	**12118.95**	**Rupees Twelve Thousand One Hundred Eighteen And Paisa Ninety Five Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates Completed as per Engineer Incharge **Mezzanine floor roof beams.**				
20	Providing and laying in position Reinforced cement concrete for all Super structures of building, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in layers, well compacted using needle vibrators. The cost includes finishing concrete structure in line, all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm and down size graded crushed coarse aggregatesCSR-2021-22) Completed as per Engineer Incharge **Mezzanine floor slab.**	**m^3**	**53.02**	**11366.22**	**Rupees Eleven Thousand Three Hundred Sixty Six And Paisa Twenty Two Only**
21	Providing and laying in Cement Concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery,	**m^3**	**395.36**	**7698.24**	**Rupees Seven Thousand Six Hundred Ninety Eight And Paisa Twenty Four Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm and down size graded crushed coarse aggregates (Vol-I P.No-16 I.No-2.3.2 CSR-2023-24)				
22	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, lapping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification. **Building Ground floor**	**Tonnes**	**106.34**	**98402.70**	**Rupees Ninety Eight Thousand Four Hundred Two And Paisa Seventy Only**
23	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, lapping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification. Building e **Mezzanine floor.**	**Tonnes**	**11.55**	**99386.73**	**Rupees Ninety Nine Thousand Three Hundred Eighty Six And Paisa Seventy Three Only**
24	Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, lapping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification. Building **First Floor.**	**Tonnes**	**0.80**	**100370.75**	**Rupees One Lakh(s) Three Hundred Seventy And Paisa Seventy Five Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
25	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC: Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge..Completed as per Engineer Incharge	**m2**	**313.54**	**916.67**	**Rupees Nine Hundred Sixteen And Paisa Sixty Seven Only**
26	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications Completed as per Engineer Incharge **Ground floor.**	**m2**	**471.05**	**1441.00**	**Rupees One Thousand Four Hundred Forty One Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
27	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**317.09**	**1455.41**	**Rupees One Thousand Four Hundred Fifty Five And Paisa Forty One Only**
28	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Completed as per Engineer Incharge **First Floor**	**m2**	**201.17**	**1469.82**	**Rupees One Thousand Four Hundred Sixty Nine And Paisa Eighty Two Only**
29	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Completed as per Engineer Incharge **Ground floor.**	**m2**	**27.88**	**1214.40**	**Rupees One Thousand Two Hundred Fourteen And Paisa Forty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
30	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Completed as per Engineer Incharge **Mezzanine floor**.	**m2**	**27.88**	**1226.54**	**Rupees One Thousand Two Hundred Twenty Six And Paisa Fifty Four Only**
31	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. **.** Completed as per Engineer Incharge **Ground floor**	**m2**	**860.87**	**408.10**	**Rupees Four Hundred Eight And Paisa Ten Only**
32	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**219.52**	**412.18**	**Rupees Four Hundred Twelve And Paisa Eighteen Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
33	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement: 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **First floor.**	**m2**	**471.33**	**416.26**	**Rupees Four Hundred Sixteen And Paisa Twenty Six Only**
34	Providing 15 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Ground floor**	**m2**	**451.23**	**402.60**	**Rupees Four Hundred Two And Paisa Sixty Only**
35	Providing 15 mm cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**435.50**	**406.63**	**Rupees Four Hundred Six And Paisa Sixty Three Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
36	Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Ground floor.**	**m2**	**172.42**	**343.20**	**Rupees Three Hundred Forty Three And Paisa Twenty Only**
37	Providing 12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**366.06**	**346.63**	**Rupees Three Hundred Forty Six And Paisa Sixty Three Only**
38	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Ground floor.**	**m2**	**63.81**	**324.50**	**Rupees Three Hundred Twenty Four And Paisa Fifty Only**
39	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 (1 cement: 4 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**63.81**	**327.75**	**Rupees Three Hundred Twenty Seven And Paisa Seventy Four Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
40	Providing White washing with lime to give an even shade: New work (three coats) with lime of approved quality, including cost of materials, labour complete as per specifications and as per directions of Engineer in-charge. Completed as per Engineer Incharge	**m2**	**2217.81**	**28.60**	**Rupees Twenty Eight And Paisa Sixty Only**
41	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	**m2**	**1551.72**	**191.40**	**Rupees One Hundred Ninety One And Paisa Forty Only**
42	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour Completed as per Engineer Incharge	**m2**	**1001.52**	**97.90**	**Rupees Ninety Seven And Paisa Ninety Only**
43	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade: New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. Completed as per Engineer Incharge	**m2**	**666.10**	**150.70**	**Rupees One Hundred Fifty And Paisa Seventy Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
44	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make, in all colors, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. Completed as per Engineer Incharge **Ground floor**	**m2**	**19.76**	**977.90**	**Rupees Nine Hundred Seventy Seven And Paisa Ninety Only**
45	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make, in all colors, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**19.76**	**987.68**	**Rupees Nine Hundred Eighty Seven And Paisa Sixty Eight Only**
46	Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications- Completed as per Engineer Incharge **Ground floor.**	**m2**	**75.26**	**1531.20**	**Rupees One Thousand Five Hundred Thirty One And Paisa Twenty Only**
47	Providing skirting, dadooing, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of	**m2**	**75.26**	**1546.51**	**Rupees One Thousand Five Hundred Forty Six And Paisa Fifty One**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	materials, labour, complete as per specifications.-Completed as per Engineer Incharge **Mezzanine floor.**				**Only**
48	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	**m2**	**15.08**	**2896.30**	**Rupees Two Thousand Eight Hundred Ninety Six And Paisa Thirty Only**
49	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC (Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 60mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24mm. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system with touch lock. Wall thickness of frame &	**m2**	**35.48**	**5525.30**	**Rupees Five Thousand Five Hundred Twenty Five And Paisa Thirty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	sash shall be of 2-2.5 mm. Maximum possible size – 1819mm x 1819mm (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made) Completed as per Engineer Incharge **Ground floor.**				
50	Providing & fixing of 2-track x 2-panel sliding windows made out of multi chambered UPVC (Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having a overall size of 60mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm X 58mm with GI reinforcement of 1mm for the frame and 1.5 mm for the sash. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24mm. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system with touch lock. Wall thickness of frame & sash shall be of 2-2.5 mm. Maximum possible size – 1819mm x 1819mm (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made Completed as per Engineer Incharge **Mezzanine floor.**	**m2**	**48.02**	**5580.55**	**Rupees Five Thousand Five Hundred Eighty And Paisa Fifty Five Only**
51	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding. Completed as per Engineer Incharge **Ground Floor**	**Kg**	**966.42**	**184.80**	**Rupees One Hundred Eighty Four And Paisa Eighty Only**
52	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.	**Kg**	**1319.22**	**186.65**	**Rupees One Hundred Eighty Six And Paisa Sixty Five**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	Fixed to steel windows by welding. Completed as per Engineer Incharge **Completed** as per Engineer Incharge **Mezzanine Floor.**				**Only**
	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	**Sqm**	**123.92**	**152.90**	**Rupees One Hundred Fifty Two And Paisa Ninety Only**
53	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminum (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)Completed as per Engineer Incharge **Ground Floor.**	**m2**	**10.40**	**6290.90**	**Rupees Six Thousand Two Hundred Ninety And Paisa Ninety Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
54	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey color having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminum (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm.(The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)Completed as per Engineer Incharge **Mezzanine Floor**	**m2**	**13.64**	**6353.81**	**Rupees Six Thousand Three Hundred Fifty Three And Paisa Eighty One Only**
55	Providing and fixing precoated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 MPA steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape	**m2**	**42.00**	**637.30**	**Rupees Six Hundred Thirty Seven And Paisa Thirty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	wherever required. Completed as per Engineer Incharge				
56	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc, complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge. Completed as per Engineer Incharge	**kg**	**1260.00**	**164.93**	**Rupees One Hundred Sixty Four And Paisa Ninety Three Only**
57	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S.tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in-Charge. **Ground floor**	**kg**	**394.80**	**151.80**	**Rupees One Hundred Fifty One And Paisa Eighty Only**
58	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. M.S.tube including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer in-Charge. **Mezzanine floor**	**kg**	**361.20**	**153.32**	**Rupees One Hundred Fifty Three And Paisa Thirty Two Only**
59	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per	**m^3**	**0.06**	**137988.42**	**Rupees One Lakh(s) Thirty Seven Thousand Nine Hundred Eighty Eight And Paisa Forty Two**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	specifications. Completed as per Engineer Incharge) **Mezzanine Floor**				**Only**
60	Providing and fixing in position fully paneled Matti/Nandi wood shutters for doors with, stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) Completed as per Engineer Incharge **Mezzanine Floor**	**m^3**	**1.89**	**7305.94**	**Rupees Seven Thousand Three Hundred Five And Paisa Ninety Four Only**
61	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross- section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame **Ground floor.**	**Mtr**	**29.10**	**707.30**	**Rupees Seven Hundred Seven And Paisa Thirty Only**
62	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross- section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame **Mezzanine floor.**	**Mtr**	**29.10**	**714.37**	**Rupees Seven Hundred Fourteen And Paisa Thirty Seven Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
63	Providing & fixing Factory made 100% carpenter friendly ready to use Single Solid Plain Wood Polymer Composite (WPC) flush shutter of 35mm thickness which is anti termite and having high water absorption property. The cost includes cost of materials, transportation, labour and fixing charges. Completed as per Engineer Incharge **Ground floor.**	**Sqm**	**8.51**	**3998.50**	**Rupees Three Thousand Nine Hundred Ninety Eight And Paisa Fifty Only**
64	Providing & fixing Factory made 100% carpenter friendly ready to use Single Solid Plain Wood Polymer Composite (WPC) flush shutter of 35mm thickness which is anti termite and having high water absorption property. The cost includes cost of materials, transportation, labour and fixing charges.) Completed as per Engineer Incharge **Mezzanine floor.**	**Sqm**	**8.51**	**3998.50**	**Rupees Three Thousand Nine Hundred Ninety Eight And Paisa Fifty Only**
65	Providing weep holes in Brick masonry/Plain/ Reinforced concrete abutment, wing wall/ return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing for. Complete as per drawing and Technical Specifications (Vol-I P.No-16, I.No-2.5.2 CSR-2023-24)	**M**	**301.30**	**151.80**	**Rupees One Hundred Fifty One And Paisa Eighty Only**
66	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 liter low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lidded: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests. Completed as per Engineer Incharge	**Each**	**4.00**	**5321.80**	**Rupees Five Thousand Three Hundred Twenty One And Paisa Eighty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
67	Providing and fixing white vitreous china wash basin including making all connections but including the cost of fittings. Flat back wash basin of size 630x450 mm. Completed as per Engineer Incharge	**Each**	**4.00**	**1084.60**	**Rupees One Thousand Eighty Four And Paisa Sixty Only**
68	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI: 12701, color of opaque white or as approved by Engineer-in-charge the rate includes making necessary holes for inlet, outlet & over flow pipes. The base support /c fittings & fixtures for tank shall be paid separately. Completed as per Engineer Incharge	**Ltr**	**1000.00**	**9.90**	**Rupees Nine And Paisa Ninety Only**
69	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i)Single socketed pipes 100 mm diameter. Completed as per Engineer Incharge	**mtr**	**104.00**	**320.10**	**Rupees Three Hundred Twenty And Paisa Ten Only**
70	Providing and fixing brass bib cock of approved quality,20 mm nominal bore, Completed as per Engineer Incharge	**Nos**	**6.00**	**335.50**	**Rupees Three Hundred Thirty Five And Paisa Fifty Only**
71	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 g. Completed as per Engineer Incharge	**Each**	**6.00**	**545.60**	**Rupees Five Hundred Forty Five And Paisa Sixty Only**
72	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) 20mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one	**Mtr**	**100.00**	**238.70**	**Rupees Two Hundred Thirty Eight And Paisa Seventy Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc, Completed as per Engineer Incharge				
73	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) 25mm pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, including fixing the pipe and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete(concealed work including cutting chases and good the walls etc, Completed as per Engineer Incharge	**Mtr**	**100.00**	**325.60**	**Rupees Three Hundred Twenty Five And Paisa Sixty Only**
74	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required, One urinal basin with 5 liters white P.V.C. automatic flushing cistern. Completed as per Engineer Incharge	**Nos**	**2.00**	**4899.40**	**Rupees Four Thousand Eight Hundred Ninety Nine And Paisa Forty Only**
75	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. Completed as per Engineer Incharge	**Nos**	**3.00**	**797.50**	**Rupees Seven Hundred Ninety Seven And Paisa Fifty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
76	Providing and fixing 100 mm sand cast Iron grating for gully trap). Completed as per Engineer Incharge	**Each**	**6.00**	**51.70**	**Rupees Fifty One And Paisa Seventy Only**
77	13.4-Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end):50 mm nominal bore. Completed as per Engineer Incharge	**Nos**	**3.00**	**940.50**	**Rupees Nine Hundred Forty And Paisa Fifty Only**
78	Providing and fixing unplasticised PVC connection pipe with brass union's 45 cm length, 20 mm nominal bore. Completed as per Engineer Incharge	**Each**	**4.00**	**121.00**	**Rupees One Hundred Twenty One Only**
79	S.C.I. gully or nahani grating 100 mm dia. Completed as per Engineer Incharge	**Each**	**10.00**	**27.50**	**Rupees Twenty Seven And Paisa Fifty Only**
80	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible Pipe 32 mm dia. Completed as per Engineer Incharge	**Each**	**4.00**	**101.20**	**Rupees One Hundred One And Paisa Twenty Only**
81	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 meter long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	**Each**	**4.00**	**299.20**	**Rupees Two Hundred Ninety Nine And Paisa Twenty Only**
82	Flushing Cistern P.V.C. 10 lts capacity (low level) (White) (with fittings, accessories and flush pipe). Completed as per Engineer Incharge	**Each**	**4.00**	**687.50**	**Rupees Six Hundred Eighty Seven And Paisa Fifty Only**
83	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing: Oval shape 450x350 mm (outer dimensions). Completed as per Engineer Incharge	**Each**	**4.00**	**1172.60**	**Rupees One Thousand One Hundred Seventy Two And Paisa Sixty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
84	CONCEALED CONDUIT SYSTEM: Supplying …… mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. **Completed as per Engineer Incharge 19/20mm dia 2mm thick.**	**Mtr**	**200.00**	**66.00**	**Rupees Sixty Six Only**
85	CONCEALED CONDUIT SYSTEM: Supplying …… mm dia 2mm 2.5mm thick heavy gauge PVC Conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18 SWG GI fish wire wherever necessary. **Completed as per Engineer Incharge 25mm dia 2mm thick.**	**Mtr**	**160.00**	**78.00**	**Rupees Seventy Eight Only**
86	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved makes etc., **. Completed as per Engineer Incharge 75 X 75 X 65mm**	**Each**	**20.00**	**106.00**	**Rupees One Hundred Six Only**
87	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved makes etc., **Completed as per Engineer Incharge 135 X 75 X 65mm**	**Each**	**25.00**	**139.00**	**Rupees One Hundred Thirty Nine Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
88	Supplying and fixing PVC/metal conduit Deep junction box **19/20mm deep junction box. Completed as per Engineer Incharge**	**Each**	**120.00**	**49.00**	**Rupees Forty Nine Only**
89	Supplying and fixing PVC/metal conduit Deep junction box **Completed as per Engineer Incharge 25mm deep junction box.**	**Each**	**100.00**	**56.00**	**Rupees Fifty Six Only**
90	Extra for groove cutting in brick wall /CC floor' to the suitable depth for con ceiling of conduit/GI pipe and plastering, finishing upto wall surface complete. Completed as per Engineer Incharge	**Mtr**	**200.00**	**29.00**	**Rupees Twenty Nine Only**
91	Supplying and fixing "S" Hook made out of 14mm dia M.S. rod. Completed as per Engineer Incharge	**Nos**	**2.00**	**52.00**	**Rupees Fifty Two Only**
92	Supplying and fixing Metal fan box with round hook. Completed as per Engineer Incharge	**Nos**	**2.00**	**117.00**	**Rupees One Hundred Seventeen Only**
93	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. (PWD-Ele-SR,2021-22, P-2, Slno-2.1) **Completed as per Engineer Incharge Short point upto 3mtrs from tapping point to outlet via switch.**	**Each**	**15.00**	**285.00**	**Rupees Two Hundred Eighty Five Only**
94	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) &	**Each**	**15.00**	**394.00**	**Rupees Three Hundred Ninety Four Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. **Completed as per Engineer Incharge Medium point above 3mtrs from tapping point to outlet via switch.**				
95	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. I Group A) **Completed as per Engineer Incharge a) 1.0 sqmm.**	**Mtr**	**400.00**	**19.00**	**Rupees Nineteen Only**
96	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. I Group A) **Completed as per Engineer Incharge b) 2.5 sqmm.**	**Mtr**	**350.00**	**42.00**	**Rupees Forty Two Only**
97	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. I Group A **Completed as per Engineer Incharge c) 4.0 sqmm.**	**Mtr**	**350.00**	**63.00**	**Rupees Sixty Three Only**
98	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. I Group A **Completed as per Engineer Incharge d) 6.0 sqmm.**	**Mtr**	**80.00**	**92.00**	**Rupees Ninety Two Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
99	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **Completed as per Engineer Incharge 1)1 to 3 module.**	**Each**	**10.00**	**137.00**	**Rupees One Hundred Thirty Seven Only**
100	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **Completed as per Engineer Incharge 2)4 module.**	**Each**	**10.00**	**175.00**	**Rupees One Hundred Seventy Five Only**
101	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **Completed as per Engineer Incharge 3)6 module.**	**Each**	**8.00**	**234.00**	**Rupees Two Hundred Thirty Four Only**
102	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **Completed as per Engineer Incharge 4)8 module.**	**Each**	**8.00**	**284.00**	**Rupees Two Hundred Eighty Four Only**
103	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC/ box. **Completed as per Engineer Incharge 5)10-12 modules.**	**Each**	**4.00**	**344.00**	**Rupees Three Hundred Forty Four Only**
104	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of	**Each**	**5.00**	**415.00**	**Rupees Four Hundred Fifteen Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	10K and Complete wiring as required. Completed as per Engineer Incharge **1)6-32Amps SP.**				
105	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. Completed as per Engineer Incharge 2**)40Amps SP.**	**Each**	**3.00**	**793.00**	**Rupees Seven Hundred Ninety Three Only**
106	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. Completed as per Engineer Incharge 3**)6-32Amps DP.**	**Each**	**2.00**	**739.00**	**Rupees Seven Hundred Thirty Nine Only**
107	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, and 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. A) 48" Sweep (1200mm) Regular model (1) **48" Sweep (1200mm) regular model. Completed as per Engineer Incharge**	**Each**	**2.00**	**2984.00**	**Rupees Two Thousand Nine Hundred Eighty Four Only**
108	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. Completed as per Engineer Incharge3.6.4) Stepped Fan Regulator.	**Each**	**2.00**	**357.00**	**Rupees Three Hundred Fifty Seven Only**
109	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with adjustable thermal magnetic release,	**Each**	**2.00**	**6086.00**	**Rupees Six Thousand Eighty Six Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	Micro processor release shall have Earth Fault as per IS/IEC 60947-2. (Icu=100% lcs). In 4P MCCB, all Poles should have protection for Short-Circuits/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. 5.15.1) 100Amps 25kA. . Completed as per Engineer Incharge				
110	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS 694:2010 6C x 4 mm2 Completed as per Engineer Incharge	**Mtr**	**100.00**	**302.00**	**Rupees Three Hundred Two Only**
111	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. In all kinds of soils Depth upto 1.5 m Completed as per	**Cum**	**81.00**	**266.20**	**Rupees Two Hundred Sixty Six And Paisa Twenty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	Engineer Incharge				
112	Supplying and Fixing.....mm dia class A GI pipe bracket upto 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clA, bolts, nuts and wiring using suitable capacity wires Completed as per Engineer Incharge	**Mtr**	**10.00**	**1309.00**	**Rupees One Thousand Three Hundred Nine Only**
113	Supplying and fixing regular MCB distribution boards on well /wood board /flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB`s single phase /3 phase /single for with powder coated painting etc., complete Completed as per Engineer Incharge	**Nos**	**2.00**	**6091.00**	**Rupees Six Thousand Ninety One Only**
114	Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Fluorescent Tube Completed as per Engineer Incharge	**Nos**	**30.00**	**361.00**	**Rupees Three Hundred Sixty One Only**
115	Supplying and fixing/replacing of fluorescent tube. Completed as per Engineer Incharge	**Nos**	**30.00**	**242.00**	**Rupees Two Hundred Forty Two Only**
116	Providing, supplying to work site, Single Phase Submersible Pump Sets	**Each**	**1.00**	**10170.00**	**Rupees Ten Thousand**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	of 100mm dia (4 inch) suitable for bore well confirming to IS 8034-2000 specifications, with testing of as per instructions of engineer in charge of work and latest amendments. 0.50 HP/0.37kW - 5 G(stage) Completed as per Engineer Incharge				**One Hundred Seventy Only**
117	Earth work excavation for pipeline trenches in all kinds of by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm wherever necessary as directed, removal of slumps and other deleterious matter, dressing of sides and Leveling the bottom of trench to the extent required , utilizing the available excavated earth locally for the work and all other appurtenances to complete in the Following strata.. Ordinary/soft rock (without requiring blasting) Depth upto 1.50 m Completed as per Engineer Incharge	**m^3**	**31.14**	**499.40**	**Rupees Four Hundred Ninety Nine And Paisa Forty Only**
118	Providing and laying in position plain cement concrete for Leveling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately)Mix 1:3:6 (M10) Using 20 mm nominal sizes graded crushed coarse aggregates. Completed as per Engineer Incharge	**m^3**	**4.84**	**6838.70**	**Rupees Six Thousand Eight Hundred Thirty Eight And Paisa Seventy Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
119	Lowering laying, jointing, testing and commissioning of following diameters glazed stone ware pipes, conforming to IS 651:1992, (with 5th revision) in all respects jointing with EPDM rubber rings (seals according to EN 681 & ASPM 425) . The rubber gasket shall be fixed rigidly with approved glue to have leak proof joint including conveying of pipe to work site and rolling and lowering into trenches, laying true to line, level and perfect linking at joints testing and missoning including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of GSW pipes and specials, with rubber gaskets conforming to EN 681 and ASTM C-425 including cleaning the socket and spigot with soap solution and applying talcum powder for detecting crack, then applying glue and before inserting of rubber gaskets, jacking and fixing in perfect condition including the cost of soap solution, talcum powder and glue etc. and giving necessary hydraulic test to the required pressure of water head with all lead and lifts including costing of jointing materials etc., complete. (Contractor will make his own arrangements for procuring water for testing) with Rubber ring gasket joints. Completed as per Engineer Incharge	**m**	**60.00**	**126.50**	**Rupees One Hundred Twenty Six And Paisa Fifty Only**
120	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m, and lift upto 1.5 m. Including cost of all labour complete as per specifications. Completed as per Engineer Incharge	**m^3**	**4.84**	**176.00**	**Rupees One Hundred Seventy Six Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
121	Providing and constructing "WIRE CUT BRICK MACHINEHOLE CHAMBERS" using Portland/ Pozzolana cement, conical in shape at top, with CC 1:3:6 foundations using 40mm and down size graded metal of approved quality and with an offset of 0.15M all-round the chamber. Construct Brick masonry in CM 1:4, 340 mm thick, with wire cut bricks of approved quality, plaster inside and outside with CM 1:3, 12mm thick, except for the conical surface outside where the plaster thickness shall be 20mm. Slope inside to be 1:6 in the concrete towards central drain and finished smooth. Fixing of pipes in CC 1:2:4 with graded metal of 20mm and down size. Supplying and fixing SFRC Machine hole frame and cover (Heavy Duty) conforming to IS: 12592 with latest amendment, in CC 1:2:4. Supplying and fixing footsteps made of 12mm dia. steel bars (Fe-500) with 3mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cms apart and on CC block embedded to masonry wall. The whole works include watering, curing, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, de watering, engraving Machine hole number with flow direction on the inner conical surface etc. as per the drawing etc. as per technical specifications and for the following diameters and depth etc. for 1.2mm dia Circle. B M.H Constructing Brick Masonry Circular Machine hole 1.2 m internal dia, 1.1 M depth & SFRC cover & frame. Completed as per Engineer Incharge	**Each**	**2.00**	**32484.10**	**Rupees Thirty Two Thousand Four Hundred Eighty Four And Paisa Ten Only**
122	Providing PVC-U INDIVIDUAL U.G.D House service connection (which shall be laid from inside the customer property) which includes: a) Supply of PVC-U pipe (b) providing and fixing of	**Each**	**2.00**	**8947.40**	**Rupees Eight Thousand Nine Hundred Forty Seven**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	315 mm dia the PE Inspection chambers with lid consisting of inlet & outlet arrangements with base, riser of min. 0.42 m depth which includes earth work, fixing in CC-1:2:4 with appurtenances., complete. (c) civil works like Earthwork excavation for the pipeline trenches for laying of PVC-U pipes for the house connections in all types of soils , disintegrated rock, soft rock, hard rock, including cutting of any road using , crossing drains, compound, Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, c.c. wood work, steel work, including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable and stacking the serviceable material with all lifts and lead , restoring the damaged portions inside or outside the property premises, refilling the portions of trenches that are dug open including linking to existing sewer network with appurtenances. Complete. **110 mm dia. Completed as per Engineer Incharge**				**And Paisa Forty Only**
123	Constructing brick masonry chamber of internal dimension 450x300mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thick for fixing CI cover & frame etc. excluding the cost of CI frame and cover..Completed as per Engineer Incharge	**Each**	**3.00**	**3903.90**	**Rupees Three Thousand Nine Hundred Three And Paisa Ninety Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
124	Fabricating, supplying and erection of ... ms long hot dip Galvanized Octagonal hot dip Pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/s for .....m Pole in single section and single joint welded as per IS 9595/IS10178AWS having dimensions bottom..... Mm, top.... mm with 3 mm thick, suitable base plate and 4Nos of..... long J bolts along with template and the Pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.. Completed as per Engineer Incharge	**Each**	**3.00**	**13500.00**	**Rupees Thirteen Thousand Five Hundred Only**
125	Supply of LED Streetlight luminaries with pressure die cast aluminum housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaries > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherences with RoHS. UL approved	**Each**	**3.00**	**4024.00**	**Rupees Four Thousand Twenty Four Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ……..W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaries' manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned LED Streetlight 40watts.Completed as per Engineer Incharge				
126	Supplying and fixing of 4pole power contactor with NO/NC Contacts on Existing Wood/panel board using necessary bolts, nuts, washers and wiring etc, complete with AC-3 Rating and as per IS-13947(100 to 125Amps, Completed as per Engineer Incharge	**Each**	**3.00**	**9025.00**	**Rupees Nine Thousand Twenty Five Only**
127	Supplying and Fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898. Completed as per Engineer Incharge	**Each**	**6.00**	**811.00**	**Rupees Eight Hundred Eleven Only**
128	Supplying and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular panel enclosure with transparent polycarbonate Lid, shock proof, IP65 (Weather Proof).rust proof, dust proof,	**Each**	**3.00**	**6867.00**	**Rupees Six Thousand Eight Hundred Sixty Seven Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix single Phase/three Phase Energy Meter in Suitable base plate and having a provision for Fuse/MCB cutout with suitable transparent hinged flap operating MCB along with complete tamper proof SEALING facility., 300mmX450mmX214mm. Completed as per Engineer Incharge				
129	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers. Completed as per Engineer Incharge	**Each**	**5.00**	**4843.00**	**Rupees Four Thousand Eight Hundred Forty Three Only**
130	Supplying and fixing of ….mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1X40/2X40 watts fluorescent tube street light fitting of all Capacities. To GI or l or rail or RCC pole/wall using suitable clamps. Bolts and nuts wiring using suitable capacity wires. Using 32mm dia G.I.Pipe. Completed as per Engineer Incharge	**Each**	**3.00**	**1045.00**	**Rupees One Thousand Forty Five Only**
131	Fixing charges of post top/Gate/Garden fitting /LED on the existing CI/GI or any other pipe using required size of reducer, wiring using suitable wires, Completed as per Engineer Incharge	**Each**	**3.00**	**198.00**	**Rupees One Hundred Ninety Eight Only**
132	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% lcs). In 4P MCCB, all Poles should have protection for Short-Circuit/Over Load. For Microprocessor MCCBS	**Each**	**2.00**	**6086.00**	**Rupees Six Thousand Eighty Six Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. Completed as per Engineer Incharge				
133	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, stranded Aluminum wire single core in open or Concealed system of Wiring, 4 sqmm. Completed as per Engineer Incharge	**Mtr**	**105.00**	**63.00**	**Rupees Sixty Three Only**
134	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS 8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100V as per IS 694:2010 3C x 2.5 mm2. Completed as per Engineer Incharge	**Mtr**	**250.00**	**113.00**	**Rupees One Hundred Thirteen Only**
135	Providing Bio-Product Solutions prepared at site and spraying on Existing and Fresh Garbage. Providing Bio Product solutions prepared at site and spraying on existing and fresh garbage, accumulated leachate and surrounding area with effective proportion diluted in water to reduce foul smell and control pests a including cost of all materials, labour, HOM on machinery, loading, unloading, transportation all lead and lift. Taxes etcComplete as per specifications and directions of the Engineer-in charge of work. Data Rate	**Ltr**	**93000.00**	**29.20**	**Rupees Twenty Nine And Paisa Twenty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
136	Geophysical investigation at site for sinking bore wells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Bore well towards yield test. Completed as per Engineer Incharge	**No**	**1.00**	**5288.00**	**Rupees Five Thousand Two Hundred Eighty Eight Only**
137	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding	**Rmt**	**50.00**	**370.00**	**Rupees Three Hundred Seventy Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **0 to 50 mm.**				
138	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) (S no O010 ABCDEFGHI-Completed as per Engineer Incharge **50 to 100 mm.**	**Rmt**	**50.00**	**464.00**	**Rupees Four Hundred Sixty Four Only**
139	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **100 to 150 mm.**	**Rmt**	**50.00**	**493.00**	**Rupees Four Hundred Ninety Three Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
140	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **150 to 200 mm.**	**Rmt**	**50.00**	**572.00**	**Rupees Five Hundred Seventy Two Only**
141	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **200 to 250 mm.**	**Rmt**	**50.00**	**671.00**	**Rupees Six Hundred Seventy One Only**
142	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding	**Rmt**	**50.00**	**740.00**	**Rupees Seven Hundred Forty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **250 to 300 mm**				
143	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **300 to 350 mm.**	**Rmt**	**50.00**	**868.00**	**Rupees Eight Hundred Sixty Eight Only**
144	Sinking of Bore well of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete) S no O010 ABCDEFGHI-Completed as per Engineer Incharge **350 to 400 mm.**	**Rmt**	**50.00**	**937.00**	**Rupees Nine Hundred Thirty Seven Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
145	Providing and fixing PVC pipe - OD 250mm and 6 Kg/sq cm. Completed as per Engineer Incharge	**Mtr**	**10.00**	**1100.00**	**Rupees One Thousand One Hundred Only**
146	Supply of ISI mark 175mm nominal bore, plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest amendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends. Threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty. Completed as per Engineer Incharge	**Rmt**	**10.00**	**1933.00**	**Rupees One Thousand Nine Hundred Thirty Three Only**
147	Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and collars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments, Completed as per Engineer Incharge	**Each**	**2.00**	**150.00**	**Rupees One Hundred Fifty Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
148	Providing, supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000; 3Phase, SS Bowl & Impeller with Low volt Motor as per Specifications, as per necessary amendments and instructions of engineer in charge of work. For 10.00 HP. Completed as per Engineer Incharge	**Each**	**1.00**	**43930.00**	**Rupees Forty Three Thousand Nine Hundred Thirty Only**
149	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work. Completed as per Engineer Incharge	**Mtr**	**390.00**	**793.10**	**Rupees Seven Hundred Ninety Three And Paisa Ten Only**
150	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3CX4.0 sq.mm. Completed as per Engineer Incharge	**Rmt**	**760.00**	**245.00**	**Rupees Two Hundred Forty Five Only**
151	Gunmetal non-return valve-vertical (screwed end) 50 mm dia. Completed as per Engineer Incharge	**Each**	**1.00**	**1155.00**	**Rupees One Thousand One Hundred Fifty Five Only**
152	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :50 mm nominal bore Completed as per Engineer Incharge	**No**	**1.00**	**757.90**	**Rupees Seven Hundred Fifty Seven And Paisa Ninety Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
153	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for: For 50 mm dia GI elbow. Completed as per Engineer Incharge	**No**	**1.00**	**267.00**	**Rupees Two Hundred Sixty Seven Only**
154	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any For 50 mm dia GI hexagonal nipple. Completed as per Engineer Incharge	**No**	**1.00**	**213.00**	**Rupees Two Hundred Thirteen Only**
155	Providing wrought mild steel (galvanized) 15 mm dia GI collar confirming to IS 1239-II, 1991 with latest amendments if any. For 50 mm dia GI collar: Completed as per Engineer Incharge	**Each**	**65.00**	**267.00**	**Rupees Two Hundred Sixty Seven Only**
156	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws., Completed as per Engineer Incharge	**No**	**1.00**	**326.13**	**Rupees Three Hundred Twenty Six And Paisa Thirteen Only**
157	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 A DP. Completed as per Engineer Incharge	**No**	**1.00**	**1102.00**	**Rupees One Thousand One Hundred Two Only**
158	Supplying of TPST with re-wireble porcelain channels in SM enclose made out of 14 SWG powder coated point of approved color 32 amps. Completed as per Engineer Incharge	**No**	**1.00**	**1701.00**	**Rupees One Thousand Seven Hundred One Only**
159	Supplying and fixing of LED type panel board indicating lamp with required color suitable for 230/440VAC. 50 Hz 12/24V D.C. Completed as per Engineer Incharge	**No**	**1.00**	**515.00**	**Rupees Five Hundred Fifteen Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
160	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor. upto 12.5HP) Completed as per Engineer Incharge	**No**	**1.00**	**7455.00**	**Rupees Seven Thousand Four Hundred Fifty Five Only**
161	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motor upto 20 HP capacities. Completed as per Engineer Incharge	**No**	**1.00**	**904.00**	**Rupees Nine Hundred Four Only**
162	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694: confirming to latest amendments. I Group A 4sqmm. Completed as per Engineer Incharge	**Mtrs**	**15.00**	**63.00**	**Rupees Sixty Three Only**
163	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834. 3 phase, 400/440 V grade, for power factor improvement of rotating machineries like induction motor. Completed as per Engineer Incharge	**KVAR**	**2.00**	**480.00**	**Rupees Four Hundred Eighty Only**
164	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia. Completed as per Engineer Incharge	**Each**	**1.00**	**3510.00**	**Rupees Three Thousand Five Hundred Ten Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
165	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. In all kinds of soils. Depth upto 1.50m. completed as per engineer in charge	**m^3**	**10.08**	**609.40**	**Rupees Six Hundred Nine And Paisa Forty Only**
166	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, Steel strips (except 2CX10q.mm wire armored) as per IS-3975:1990 & extruded PVC outer sheathed armored cable as per IS-1554 Part 1:1988 & confirming to GTP of GROUP-A Ele SR 14-15 4 core 16 sqmm. Completed as per Engineer Incharge	**Mtrs**	**30.00**	**140.40**	**Rupees One Hundred Forty And Paisa Forty Only**
167	Supplying heavy gauge PVC Conduit Pipe dia mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary 32 mm dia 2.5 mm thick. Completed as per Engineer Incharge	**Mtr**	**30.00**	**99.00**	**Rupees Ninety Nine Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
168	Providing, Laying and Fixing GI pipes conforming to IS 1239:1990 with latest amendments complete with GI fittings (excluding the cost of fittings) with cuts and threads wherever necessary, including testing for water tightness, with all lead and commissioning. (contractor will make his own arrangements for procuring water for testing) For Medium Duty GI pipe:: Medium Duty GI pipe of 25mm dia. Completed as per Engineer Incharge	**Mtr**	**2.00**	**265.00**	**Rupees Two Hundred Sixty Five Only**
169	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 63 amps. Completed as per Engineer Incharge	**No**	**3.00**	**401.00**	**Rupees Four Hundred One Only**
170	Earth work excavation for pipeline trenches in all kinds of soil by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm where ever necessary as directed, removal of slumps and other deleterious matter, dressing of sides and Leveling the bottom of trench to the extent required , utilizing the available excavated earth locally for the work and all other appurtenances to complete in the following strata. Ordinary/soft rock (without requiring blasting) Depth upto 1.50 m. Completed as per Engineer Incharge	**m^3**	**2.03**	**499.40**	**Rupees Four Hundred Ninety Nine And Paisa Forty Only**
171	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.	**Mtr**	**15.00**	**793.10**	**Rupees Seven Hundred Ninety Three And Paisa Ten Only**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	(external work) - 50mm nominal OD pipes. Completed as per Engineer Incharge				
172	Providing and fixing normal gauge polythene pipes of approved quality with special flange press ion type fittings of approved make including trench excavation and refilling etc. for EXTERNAL WORKS with: 50mm nominal bore pipes. Completed as per Engineer Incharge	**Mtr**	**15.00**	**152.90**	**Rupees One Hundred Fifty Two And Paisa Ninety Only**
173	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead up to 50 m, and lift up to 1.5 m. Including cost of all labour complete as per specifications. Completed as per Engineer Incharge	**m^3**	**1.42**	**176.00**	**Rupees One Hundred Seventy Six Only**
174	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) 65 mm nominal bore. Completed as per Engineer Incharge	**Each**	**3.00**	**1552.10**	**Rupees One Thousand Five Hundred Fifty Two And Paisa Ten Only**
175	Providing and fixing brass stop cock of approved quality : Completed as per Engineer Incharge	**Each**	**3.00**	**328.90**	**Rupees Three Hundred Twenty Eight And Paisa Ninety Only**
176	Providing Bio-Product Solutions prepared at site and spraying on Existing and Fresh Garbage. Providing Bio Product solutions prepared at site and spraying on existing and fresh garbage, accumulated leachate and surrounding area with effective proportion diluted in water to reduce foul smell and control pests a	**Ltrs**	**93000**	**29.20**	**Rupees Twenty nine and paisa twenty**

Sl. No	Description of Item	Unit	Quantity	Rate in Rs	
				Rate in Figures	Rate in words
	including cost of all materials, labour, HOM on machinery, loading, unloading, transportation all lead and lift. Taxes etc Complete as per specifications and directions of the Engineer-in charge of work. Data Rate				

Note: Tenderer should quote exclusive of GST

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ..... *[Name of Employer]*
…… *[address of Employer]*

WHEREAS ……. *[Name and address of Contractor]* (Hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ……. dated: …… to execute ……..*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ……. *[Amount of guarantee]*[13]_Rupees……*[in*

words], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of
…… *[amount of guarantee]*[14] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____ Name of Bank _____
Date _____